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STATE DOCUMENTS

JUL 24 1974

*medical staff*

FIFTEENTH ANNUAL REPORT

1970

INFANT and NEONATAL MORTALITY

and

STILLBIRTH RATES

by

MONTANA HOSPITALS

Prepared by:

Montana State Department of Health  
Division of Child Health Services  
Division of Records and Statistics

and

Montana Medical Association  
Maternal & Child Welfare Committee

Helena, Montana

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## FOREWARD

TO: Hospital Administrators  
Medical Staffs, and Nurses

This is the 1970 report of infant and fetal mortality rates of Montana Hospitals. The figures in this report were taken from birth and death certificates reported to the State Department of Health, Division of Records and Statistics.

In 1970 there were 12,450 births in Montana by place of occurrence. There were 192 neonatal deaths, with a rate of 15.4 per 1,000 live births. There occurred 139 stillbirths with a rate of 11.2 per 1,000 live births. Perinatal deaths numbered 331 with a rate of 26.6 per 1,000 live births.

This report allows each hospital to see where it stands in relation to other Montana Hospitals, and it may indicate a need for evaluation of services to insure improvement in the future.

Division of Child Health Services  
of the Montana State Department of Health

and

Maternal and Child Welfare Committee  
of the Montana Medical Association

DCHS - MSDH  
10-19-71

Chart #1  
General Hospitals  
(100 beds or more)

Montana - 1970

Infant and Fetal Mortalities

Total Live Births 1970	Total Live Births 1969	Prematures	Number of Deaths						Rate per 1,000 Live Births				
		No.	%	Infant	1-12 Months	Neo- natal	Fetal Deaths	Peri- natal	Infant	1-12 Months	Neo- natal	Fetal Deaths	Peri- natal
7054	6304	578	8.2	120	11	109	79	188	17.0	1.6	15.5	11.2	26.7
1101	732	91	8.3	22	1	21	14	35	20.0	0.9	19.1	12.7	31.8
977	887	66	6.8	15	1	14	14	28	15.4	1.0	14.3	14.3	28.7
825	743	75	8.6	10	1	9	8	17	11.4	1.1	10.3	9.1	19.4
778	745	67	8.6	12	2	10	4	14	15.4	2.6	12.9	5.1	18.0
736	652	57	7.7	10	-	10	9	19	13.6	0.0	13.6	12.2	25.8
692	678	66	9.5	14	-	14	6	20	20.2	0.0	20.2	8.7	28.9
576	567	43	7.5	13	1	12	10	22	22.6	1.7	20.8	17.4	38.2
402	386	22	5.5	7	1	6	8	14	17.4	2.5	14.9	19.9	34.8
382	395	33	8.6	6	1	5	4	9	15.7	2.6	13.1	10.5	23.6
374	357	36	9.6	5	3	2	1	3	13.4	8.0	5.3	2.7	8.0
161	162	22	13.7	6	-	6	1	7	37.3	0.0	37.3	6.2	43.5

### Infant and Fetal Mortalities

Total Live Births 1970	Total Live Births 1969	Prematures		Number of Deaths					Rate per 1,000 Live Births				
		No.	%	Infant	1-12 Months	Neo-natal	Fetal Deaths	Peri-natal	Infant	1-12 Months	Neo-natal	Fetal Deaths	Peri-natal
2443	2216	183	7.5	51	8	43	29	72	20.9	3.3	17.6	11.9	29.5
511	461	38	7.4	13	5	8	3	11	25.4	9.8	15.6	5.9	21.5
*483	384	47	9.7	7	-	7	6	13	14.5	0.0	14.5	12.4	26.9
213	168	9	4.1	3	-	3	-	3	14.1	0.0	14.1	0.0	14.1
194	186	17	8.8	5	1	4	2	6	25.8	5.2	20.6	10.3	30.9
191	205	7	3.7	2	-	2	4	6	10.5	0.0	10.5	20.9	31.4
182	189	9	4.9	1	1	-	2	2	5.5	5.5	0.0	11.0	11.0
162	119	10	6.2	5	-	5	1	6	30.9	0.0	30.9	6.2	37.0
159	114	19	11.9	4	1	3	3	6	25.2	6.3	18.9	18.9	37.7
155	163	11	7.1	6	-	6	3	9	38.7	0.0	38.7	19.4	58.1
128	126	9	7.0	2	-	2	2	4	15.6	0.0	15.6	15.6	31.2
64	101	7	10.9	3	-	3	3	6	46.9	0.0	46.9	46.9	93.8

\*Changed from small general to intermediate general hospital in May, 1970

Total Live Births 1970	Total Live Births 1969	Prematures		Number of Deaths					Rate per 1,000 Live Births				
				Infant	1-12 Months	Neo-natal	Fetal Deaths	Peri-natal	Infant	1-12 Months	Neo-natal	Fetal Deaths	Peri-natal
2 794	2895	164	5.9	41	10	31	26	57	14.7	3.6	11.1	9.3	20.4
295	279	21	7.1	4	1	3	1	4	13.6	3.4	10.2	3.4	13.6
245	263	15	6.1	3	-	3	3	6	12.2	0.0	12.2	12.2	24.5
236	437	10	4.2	3	1	2	4	6	12.7	4.2	8.5	16.9	25.4
198	187	13	6.6	2	-	2	-	2	10.1	0.0	10.1	0.0	10.1
172	150	3	1.7	-	-	-	3	3	0.0	0.0	0.0	17.4	17.4
131	149	3	2.3	1	-	1	2	3	7.6	0.0	7.6	15.3	22.9
*121	95	7	5.8	1	-	1	-	1	8.3	0.0	8.3	0.0	8.3
118	106	6	5.1	3	-	3	2	5	25.4	0.0	25.4	16.9	42.4
93	78	8	8.6	4	-	4	-	4	43.0	0.0	43.0	0.0	43.0
85	85	7	8.2	2	1	1	1	2	23.5	11.8	11.8	11.8	23.5
80	82	7	8.8	5	3	2	4	6	62.5	37.5	25.0	50.0	75.0

\*Formerly classified as small general hospital - became an intermediate general hospital in October, 1970



Chart #3 Continued  
Small General Hospitals  
(10-39 beds)

Montana - 1970

Infant and Fetal Mortalities

Total Live Births 1970	Total Live Births 1969	Prematures	Number of Deaths					Rate per 1,000 Live Births				
		No. %	Infant	1-12 Months	Neo- natal	Fetal Deaths	Peri- natal	Infant	1-12 Months	Neo- natal	Fetal Deaths	Peri- natal
40	36	1 2.5	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
38	44	6 15.8	2	-	2	-	2	52.6	0.0	52.6	0.0	52.6
35	34	1 2.9	1	1	-	3	3	28.6	28.6	0.0	85.7	85.7
29	31	2 6.9	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
27	34	- 0.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
27	27	- 0.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
24	28	1 4.2	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
17	26	1 5.9	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
17	11	2 11.8	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
12	14	- 0.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
10	18	- 0.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
6	10	- 0.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0

Chart #3 Continued  
Small General Hospitals  
(10-39 beds)

Montana - 1970

Infant and Fetal Mortalities

Total Live Births 1970	Total Live Births 1969	Prematures		Number of Deaths					Rate per 1,000 Live Births				
		No.	%	Infant	1-12 Months	Neo- natal	Fetal Deaths	Peri- natal	Infant	1-12 Months	Neo- natal	Fetal Deaths	Peri- natal
76	53	7	9.2	1	1	-	-	-	13.2	13.2	0.0	0.0	0.0
73	62	2	2.7	-	-	-	1	1	0.0	0.0	0.0	13.7	13.7
65	51	3	4.6	2	-	2	-	2	30.8	0.0	30.8	0.0	30.8
63	81	4	6.3	1	-	1	-	1	15.9	0.0	15.9	0.0	15.9
59	67	4	6.8	1	-	1	-	1	16.9	0.0	16.9	0.0	16.9
55	74	3	5.5	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
54	21	6	11.1	1	-	1	-	1	18.5	0.0	18.5	0.0	18.5
53	55	6	11.3	2	1	1	-	1	37.7	18.9	18.9	0.0	18.9
53	41	3	5.7	1	-	1	-	1	18.9	0.0	18.9	0.0	18.9
50	31	2	4.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
48	36	3	6.2	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
45	50	1	2.2	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
44	49	6	13.6	1	1	-	2	2	22.7	22.7	0.0	45.5	45.5



### Infant and Fetal Mortalities

[illegible]

## MONTANA

## INFANT AND FETAL MORTALITIES

HOSPITAL	CITY	Total Live Births		Premature		Number of Deaths					Rate per 1,000 live births				
		1970	1969	No.	%	Inf.	1-12 Month	Neo-natal	Fetal Death	Peri-natal	Inf.	1-12 Months	Neo-natal	Fetal Deaths	Peri-natal
Place of occurrence	All	12450	11631	942	7.6	263	71	192	139	331	21.1	5.7	15.4	11.2	26.6
Just in Hospital		12375	11545	931	7.5	218	33	185	134	319	17.6	2.7	14.9	10.8	25.8

\*\* Includes 36 births that occurred at St. John's in Helena before maternity ward closed.

\* Includes 4 infant deaths at Shodair



